

gynanche An Trachealis 2 vols \$1

Inaugural Dissertation Tractatus
On the Croup

Gynanche Trachealis

Submitted to the examination of
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The

Trustees and Medical Faculty
of the

University of Pennsylvania

For the degree of
Doctor of Medicine



by
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1800



Inaugural Dissertation

on the
granular Tracheitis



Diseases like Empire, have their rise and progress, their periods of declension and fall -

In the writings of ancient Physicians we have sufficient proof of the above position, for, in their works, we meet with histories and descriptions of diseases that have raged for a considerable time with great mortality, and when the latent and unknown cause which generates them, seems to have been spent or exhausted, they have disappeared and are now to be known only by their descriptions, while others

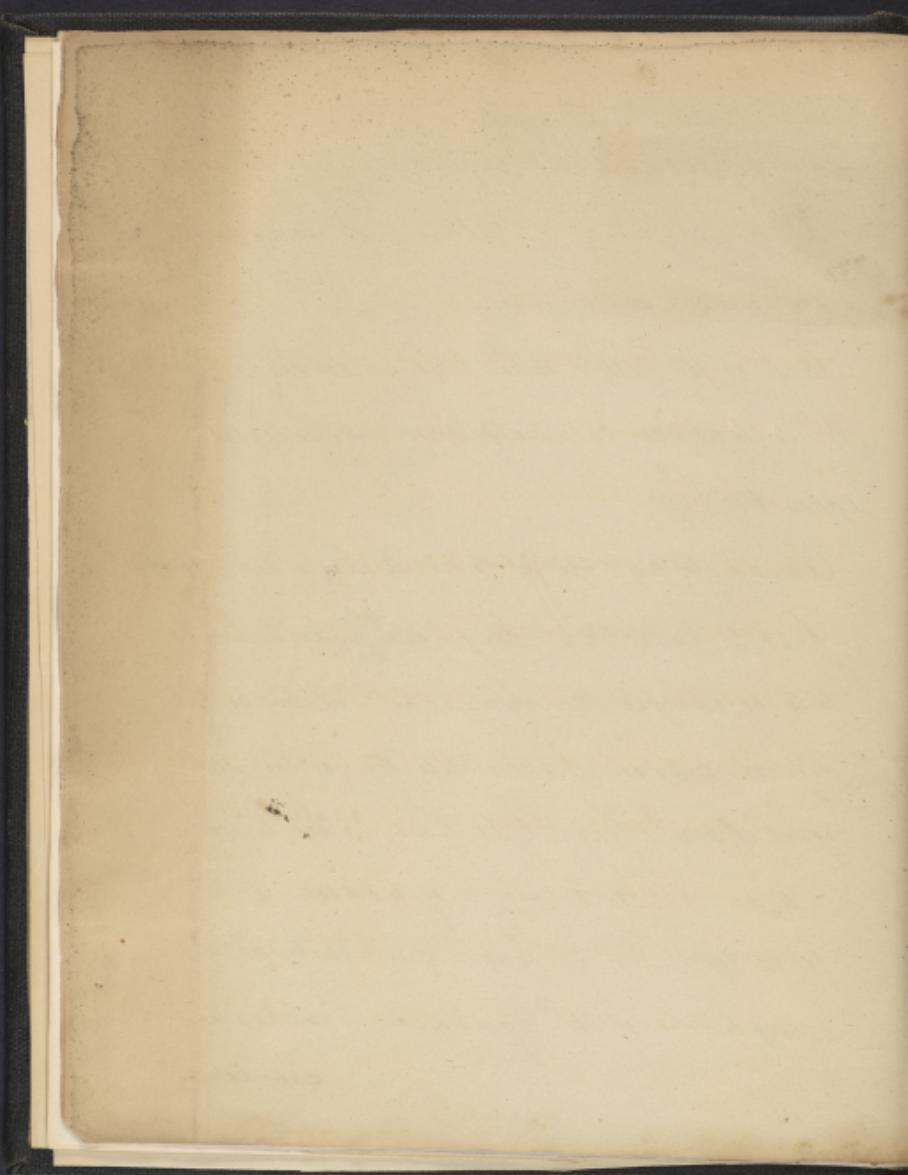
Phrenic-like



Plaasie-like, have been engendered from the ashes
of the old, and have committed ravages, equally
wide, various, and extensive.

Such is the fate of man that no sooner is he re-
lived from one calamity than another crowds
upon him.

Among the number of those diseases which ap-
pear to have their origin ⁱⁿ modern times,
it is to be ranged the Cynanche Trachealis, the
disease which I have selected for the sub-
ject of my Essay. At least we are to con-
clude that its origin is of modern date,
for in the several writers of antiquity, no de-
scription of the Cynanche Trachealis
can be



can be found in the accurate attention of skilful
Physicians to the progress of diseases and the correct
way with which they have recorded their dia-
gnostic symptoms for the impatation of neglect
is qualified -

When we reflect of the great fatality that attends
and the distressing symptoms with which this
disease is accompanied, we must be surprised
to find, that it has attracted so little of the at-
tention of medical Practitioners and Students
from whom so few observations on its nature,
cause and cure -

The cause and cure of this disease have been
hitherto so obscured by controversy, and involve in

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much obscurity is

The curative indications, deduced from its supposed causes and from its conjectured theory, have been so different, so opposite and contradictory, and the modes of cure so various, so numerous, and so opposed to each other, that we may agree with Celsius that our Art has hitherto been uncertain and conjectural or with Boerhaave, that it is vague and precarious to recommend only one mode of cure for any disease.

But when the establishment of true principles, these clouds have vanished and this obscurity is dispelled; the science of a physician has arrived

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to a state of certainty and precision and the
theory of disease as the mode of cure, redu-
-ced to unity and simplicity -

The progress of nosology has caused to some
- speed the progress of Medicine -

In this essay my whole attention has been
directed to accuracy in ascertaining the com-
-mencement, the progress and symptoms of
Laryngeal Tracheitis, and to propose the se-
-cure and most successful mode of cure to
- these organs. Little have I to offer from my
own observations or experience, but much shall
be indebted to the writings of authors on this sub-
-ject. Now is it expected that a graduate

in an Inaugural essay should either invent a new
and correct theory of ^{isease} ~~isease~~ or publish to the world a
novel method of cure.

He has no opportunities of acquiring original
information from practice, while the whole time
devoted to the acquisition of medical know-
ledge, is consumed in reading and understand-
ing the opinions of others. & Health are the
labours of the candidate for Medical Honor.
while he has to tread a path, that has been often
trodden before. He has to leave his walled
thorough-fords where the sickle has often
passed before and the plentiful harvest gather-
ed in, his gleanings must necessarily be poor.

as Seasby

and scanty. is

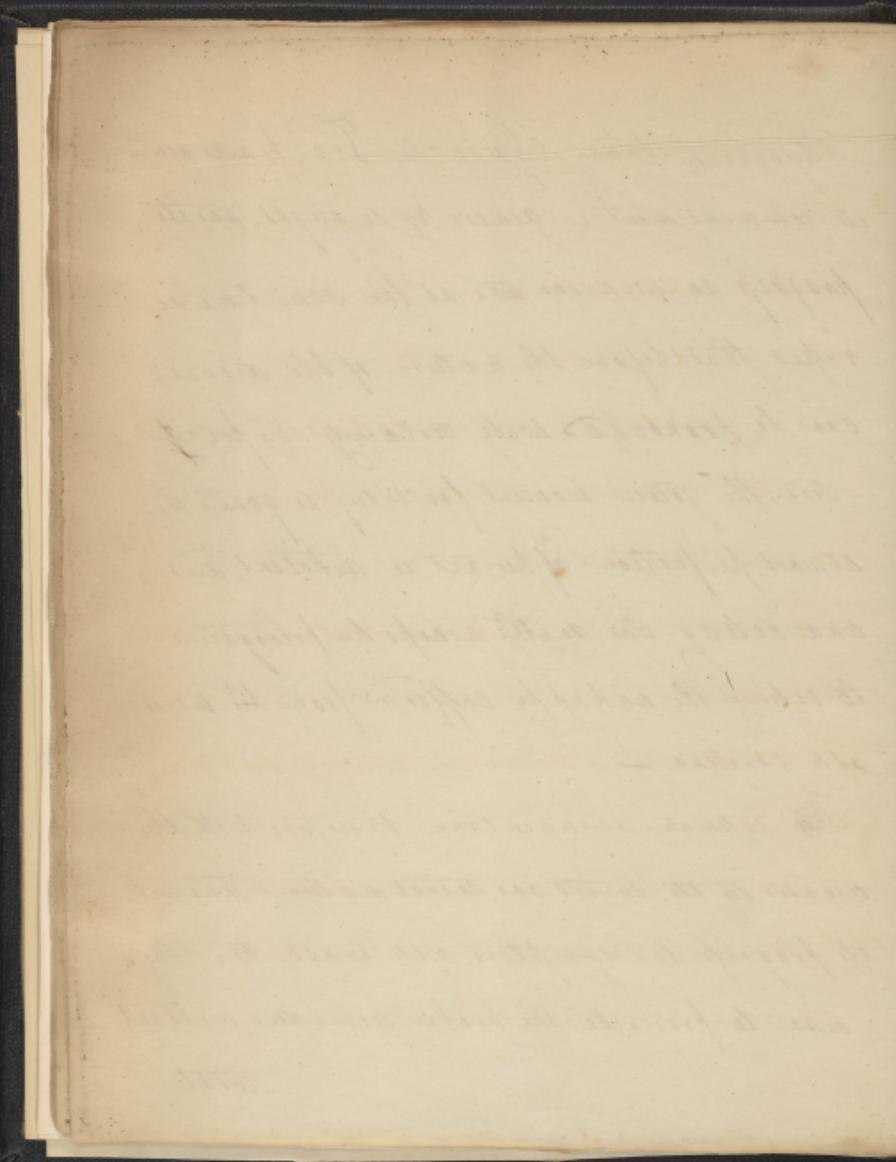
Willingly would I turn from this beaten path.
The narrow waste nor shoal I ever have ob-
truded ^{on} ^P the members of this University so hasty
and so crude: an essay, were it not for the particular
mandate of a law, which orders, that ^{he} who
receives Medical Honors, shall give some
proof of his diligence and attention in the
composition of an Inaugural disputation.
This necessity compells me to undertake the
present labour -

Few diseases, to which mankind are ob-
noxious require ~~so~~ a more eminent de-
gree of attention and sagacity in a Phy-
-sician

Physician than Gynaecological
its commencement is generally so slight, and its
progress so insidious and at the same time so
rapid that, before the nature of the disease
can be pronounced with certainty and precision
- said, the golden moment for relief is gone, the
utmost perfection of his art is impotent, and
unavailing, and death accepts his prerogative
to return the unhappy sufferer from his misery
and existence -

In intimate acquaintance therefore with this
disease on its covert and secret nature: and with
its progress and symptoms will enable the Physi-
cian to prescribe the proper remedies without

doubt



adult or tertiated, and when this is effected, few are
the cases, which will give to any alarm; and
now, and still fewer are those which will ter-
minate in death.

In treating this subject I shall 1st indi-
cate to give a short history of the disease -

2^d To ascertain its seat -

3^d To describe the symptoms which charac-
terize it,

4th To develop the causes which produce
it -

5th To state the appearance on inspection -

6th And lastly to conclude with pointing out
the most approved and successful remedies for
the cure

you will call for the attention of
you are yet to do in this regard. It
will be better still if you will be good -

do this writing -
I will be glad to have it
done in good time as may be con-

venient. I will send it
you as soon as I have it done. I
will be glad to do this for you
as I have no objection to do it.

its cure -

According to Kickalis the first case of Cynanche Trachealis we have record is that of a Taylor related by Tulpius. But as this case is related in so imperfect a manner ~~as to~~ that we cannot, with certainty, pronounce the nature of the disease I shall take the liberty of dissenting from this opinion - The only criterion leading to it is the circumstance of the patient expectorating ^{by coughing} portions of a white, thick, smooth membrane - This fact however, does not stamp ~~the~~ ^{the} ~~asymmetrict~~ character of the disease, for it takes place in many diseased states of the throat, in Cynanche Maligna, and likewise

in

in affections of the Trachea from polyps —
Michaelis then enumerates other Physician
who have described this disease, before Dr. Long
favoured the world with his most excellent trea-
tise, and in a particular manner takes no-
tice of French and Italian Physician who
described this disease to prevail as an Epid-
emic, and who has given the world a very accurate
and correct account of the opinions he entertained
of it, with the mode of cure ~~adopted~~ by him.
The Cynanche Trachealis is seated in the Glot-
tis, the Larynx, the membranes of these
parts, and the muscles adjoining to
The Cynanche Trachealis is most commonly
incident to

incident to flat, level, and marshy countries, and particularly in situations not far removed from the sea. Plains subject to inundations are most apt to be the scenes of this disease, and the drainage and properly securing them from the future overflow of water, as invasions - bly prevent the reappearance of the Cynanche Trachealis. It is not always confined to places of the above description. Dr. Cullen mentions its appearance in situations far distant from the sea or any water.

The Cynanche Trachealis most commonly attacks children, but there are many instances of the old and middle-aged being affected with all

with all the symptoms of the disease - This disease rarely attacks children before they are weaned and seldom after twelve years of age - Its approach is most frequent and dangerous between those periods -

The Cynanche Trachealis sometimes comes on suddenly, and its most violent symptoms are the first which make their appearance, but it more frequently steals upon the patient in the acutest misery of a cold - It is frequently attended with hemiplegia, and these hemiplegias are most generally observed to occur during the day -

Sometimes its symptoms are constant and unchangeable

uncheckboxable - Its course is generally terminated in three or four days, but is sometimes protracted in a week and infests state for nine or twelve days - It frequently accompanies other diseases and sometimes succeeds them - It has been observed to accompany the severest form of measles, small pox and aphæm sore throat - It has succeeded the tooth Rheumatism, and been known to occur in a case of yellow Fever - Dr. Stewart informs me of a case where it alternated with the Gout, in this case he conceived the disease in the Brachæm to depend upon the general aæthœs of the sys-
-tem.

The patient

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The patient on the first appearance of Grawitz
 Tracheitis appears pale, heavy, and languid, becomes
 dull and resists totality. There is much propensity
 to sleep, insatiable to motion and wearied from
 his former amusements. He frequently wakes,
 and suddenly sinks into sleep. From this sleep
 is he awakened by the distress which the
 symptoms of the disease occasion, & by which
 it is known.

The peculiar symptoms by which this disease is
 known are, a shrill noise on inspiration or a ring-
 ing sound of the voice, ^{if} as it came from tra-
 -chea tube, difficult respiration, with a sense of
 pain in, and straitening, of, the Larynx.

In speaking

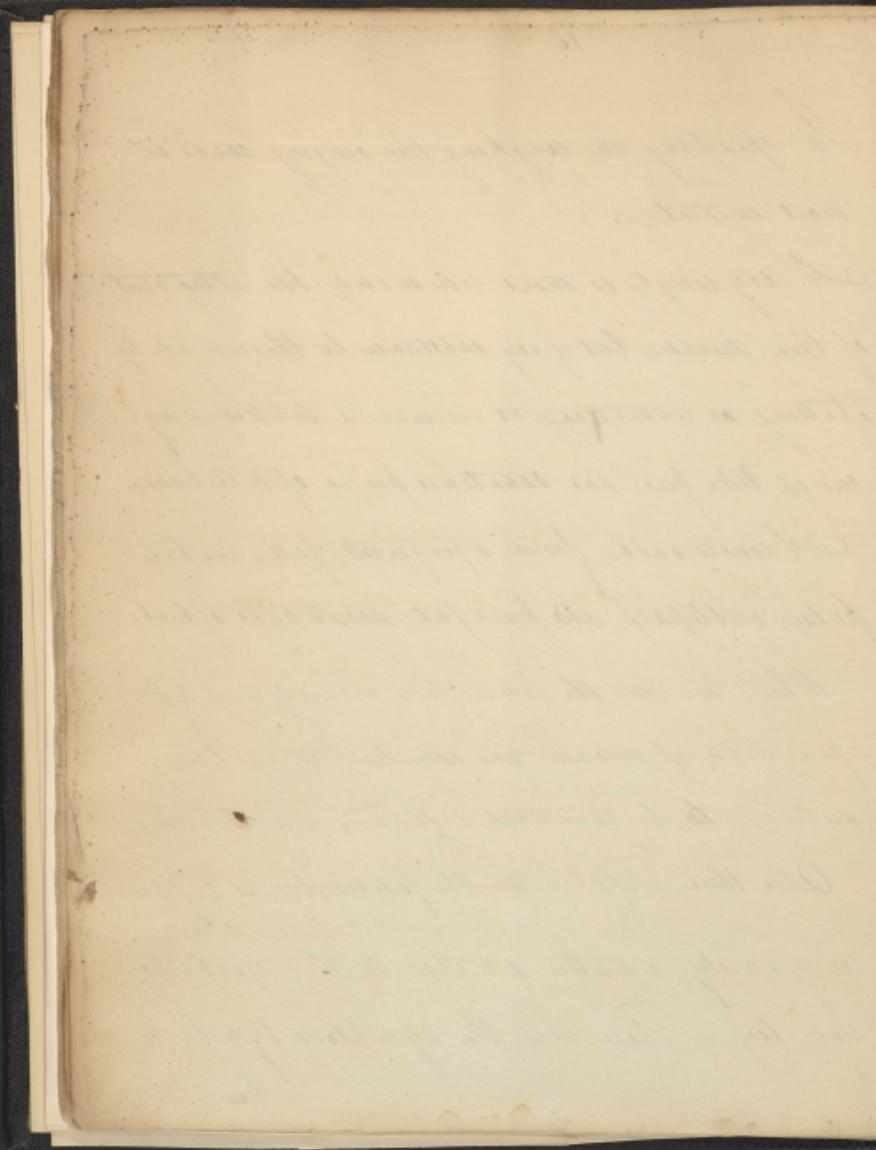
In speaking and coughing this ringing sound is
most evident -

A dry cough is most commonly the attendant
of this disease, but if any substance be thrown up by
spitting or vomiting, it resembles a matter very
much like pus, and sometimes pieces of membrane -

Considerable fever, a frequent, full, and hard-
pulse, restlessness, and painful sensations of heat -

When we view the faces there is rarely any ap-
pearance of disease, and sometimes it has been
discovered to be somewhat inflamed and swollen -

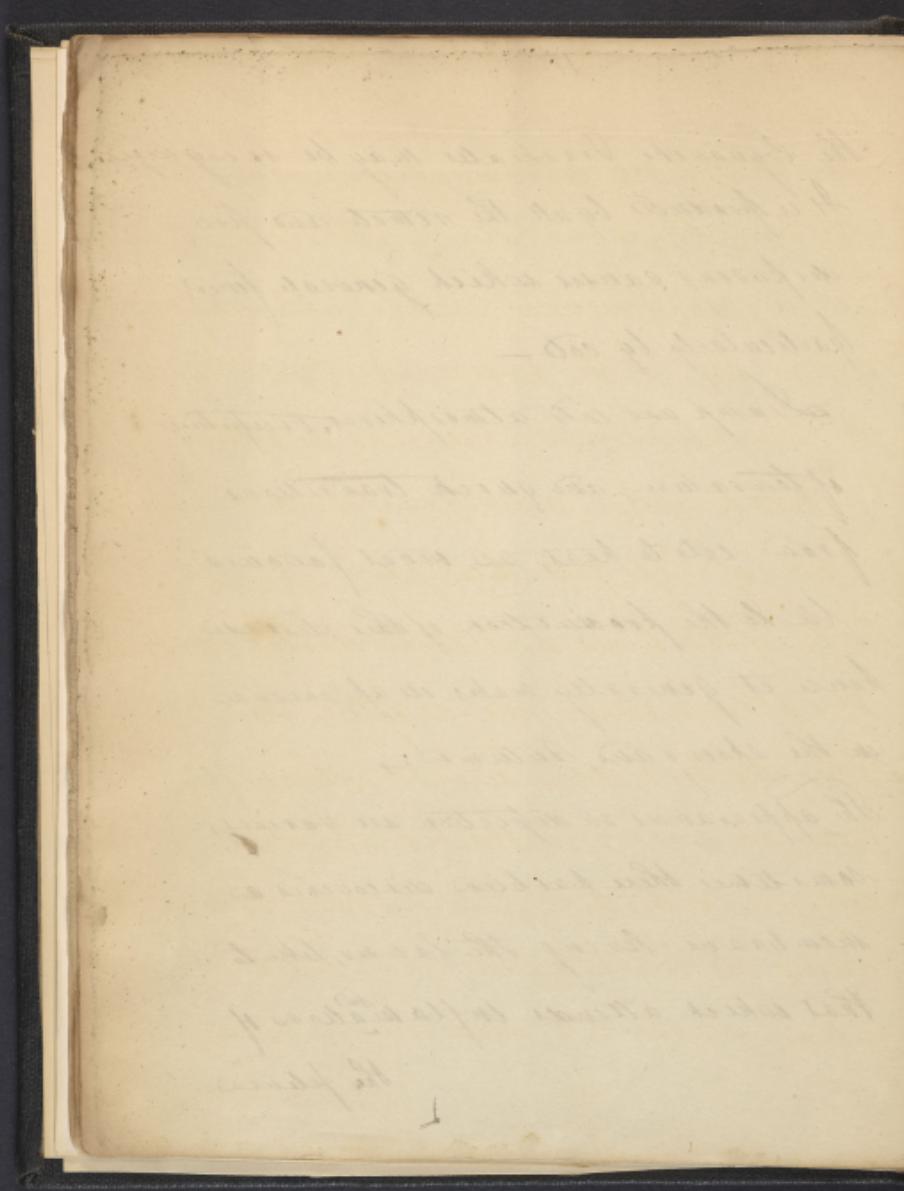
Also there appears in the faces, but it happens
very rarely, a matter similar to that ejected by
vomiting - These are the symptoms by which
the



The Cynanche Trachealis may be recognized. It is produced by all the external and predisposing causes which generate fever, particularly by cold -

Damp and cold atmospheres, vivification of temperature, and quick transitions from cold to heat, are most favorable to the production of this disease, hence it generally makes its appearance in the spring and autumn,

The appearances on inspection are various, sometimes there has been discovered a membrane lining the fauces, like to that which attends inflammation of the pharynx



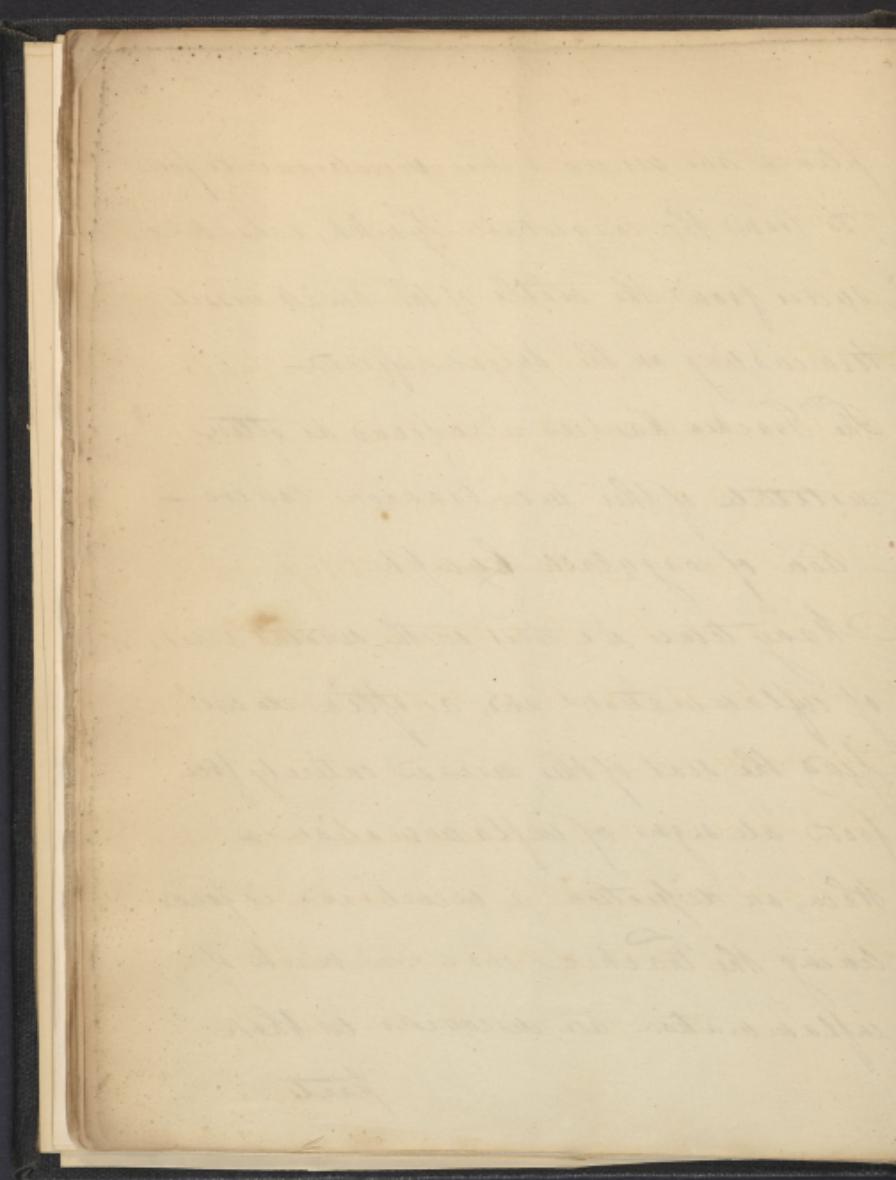
pleura and viscera - This membrane is formed from the coagulable lymph, which exudes from the ^{moths} of the small vessels terminating on the surface affected -

The Trachea has been also found, as often, destitute of this membranous concretion of coagulable lymph

Many times we meet with evident marks of inflammation, and, as often do we find the rest of the disease entirely free from all signs of inflammation -

When, on dissection, a membrane is found lining the Trachea, and when marks of inflammation are discovered in those

parts



those parts which we have observed as the seat of this disease, it has acquired the name of Inflammatory Croup - And when a matter resembling pus has been found in the Trachea, it is called the Ac-
-morial c.

Partly - When this membrane is not found and when no marks of inflammation are observable, it has been denominated the spasmodic -

That these various appearances, on inspection, originate from the same cause, and that these states of disease only differ in force and duration, is the opinion of many

eminent

* As in numerous cases where inflammation
undoubtedly existed before death,

eminent Physicians, and particularly, of my ingenious preceptor Dr. Stuart; the opinion is supported on the following grounds—

1st That inflammation is not, in many instances perceived in these parts after death, is no proof that inflammation did not exist before death, as was undoubtedly the case of that state, as specimens have, not exhibited the true vestiges of such a febrile symptom; we may therefore conclude that there is no difference in the general state of the system in these two diseases or grades of disease, except that which has been termed the Cynanche Trachealis Spasmatica consisting in a higher morbosity—

—clement

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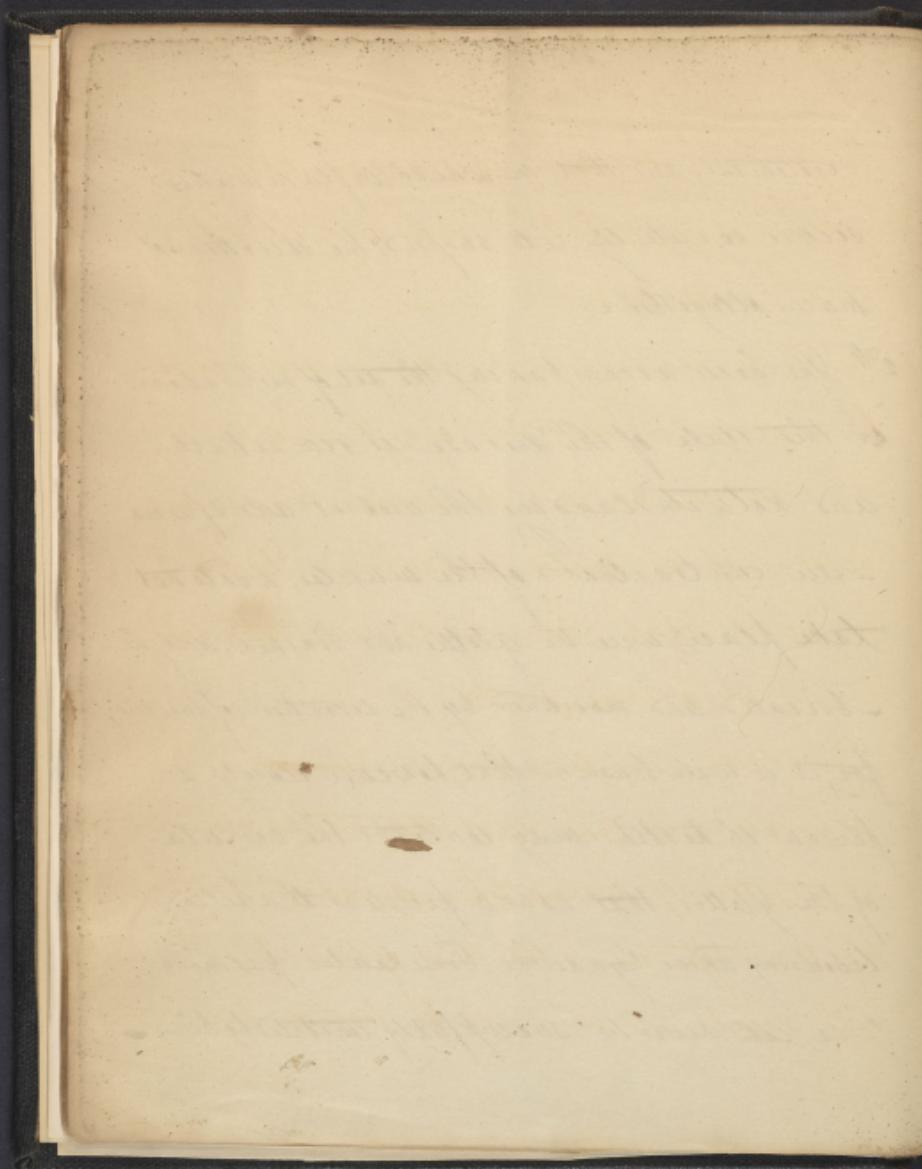
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excitement, and that in which inflammation occurs so violently, as to suspend the secretions of mucus altogether;

2^d The noise accompanying the act of respiration in this state of the disease is remarkable and notwithstanding the violent and spasmodic contraction of the muscles, would not take place, were the glottis and trachea only lubricated and moistened by the secretion of mucus; for, it is well known that, however closely a person in health may contract the simula of the glottis, that sound peculiar to a person labouring under Gyranche Tracheal Paroxysma, can never be successfully imitated by him.



3rd The blood taking in this disease under proper circumstances invariably exhibits either pericardial fibrility, or that exst on the surface which is always considered as peculiarity characteristic of inflammation.

4th Those remedies which reduce the general action of the system, always, under proper and timely application, restore secretion and renew the disease.

5th and lastly. Such local remedies as reduce excretion and such stimulatory remedies as act strongly, when topically applied produce the same effects. To the first of these belong cold drinks, cold and drunke, Vomits, aper-

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and several other neutral salts. To the latter
several species, such as the *Polygala seneca*,
Rad. Pyrithra &c.

The first of these drugs act by reducing ex-
citement in the vessels immediately affected,
tho' the medium of a continuation of
the membranes lining the fauces, Epiglottis,
and Oesophagus, and thereby restoring them
to the exciting point of action.

The last ^{Clay} Clay, by increasing local in-
-direct sensibility thro' the same medium,
and protracting the excited vessels to the ex-
-citing point.

This is happily illustrated by the case of in-
-continence

intermittent fevers of too much severity by the
Peruvian bark and various climatic -

In this case the system is excited to inde-
-finiteness, and the action constituting
the particular disease is necessarily too-
-severe. This disease has been proved to
be of an inflammatory nature, we
shall attempt its cure by the usual
remedies for inflammation -

In the first place we require ^{two} Quinine -
This is to be repeated as regulated by the
state of the pulse and the urgency of symp-
-toms -

Some prefer large and copious blisters
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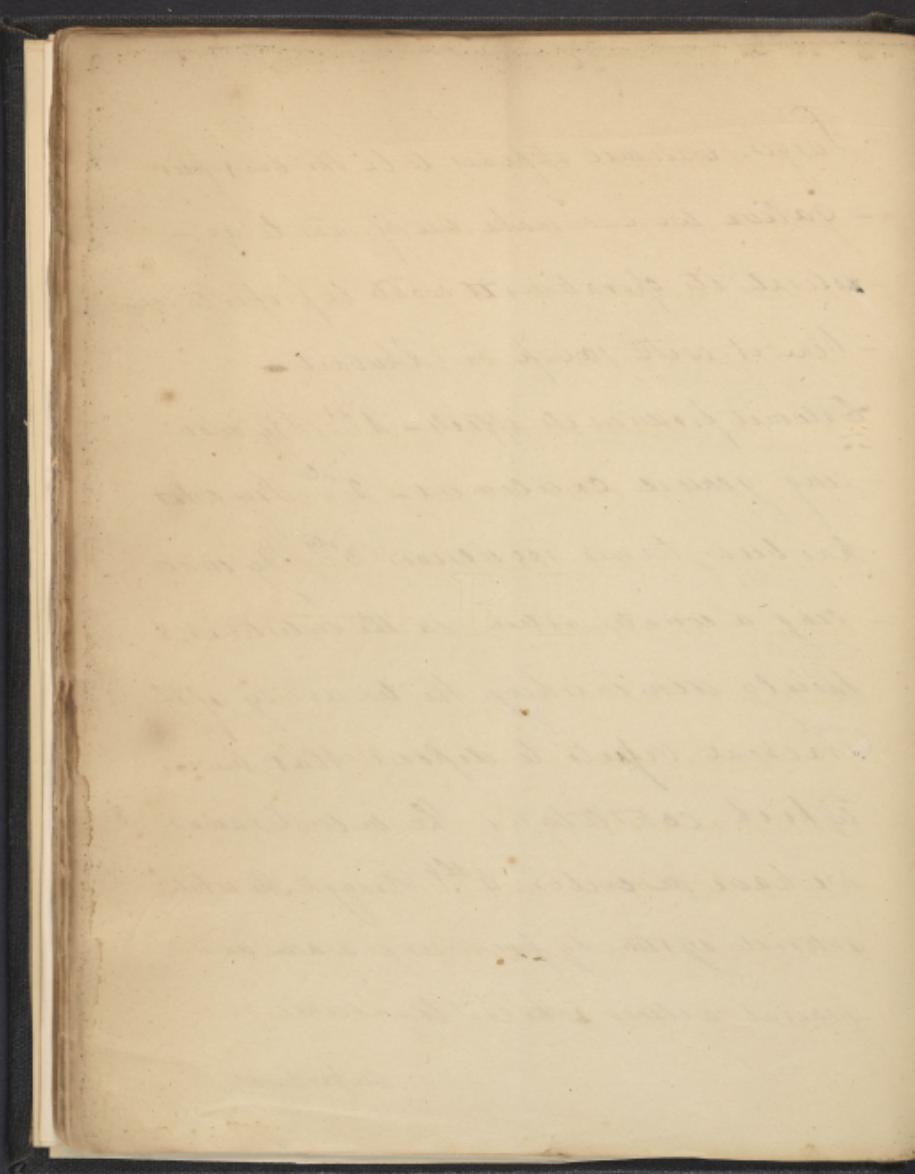
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ever till syncope be induced, while others
recommend small and repeated bleeding, -
The first mode of using the lancets is preferable
- the two bleed fastest for syncope -
Though the lancet be the most powerful reme-
-dy in this disease, yet it should always
be assisted by other remedies such as vomiting
excited once every day or oftener -
This will be found a most important and suc-
-cessful auxiliary in the cure of this disease
It is fortunate that emetics vomiting seldom
proves injurious to children, and when given
in the former-¹ state of this disease will
-almost fail to offer an immediate cure -

Purges. Calomel appears to be the best purgative we can make use of, and to accelerate its operation, it would be proper to combine it with jalap or Rhubarb.

Calomel produces its effects - 1st By produc-
ing general excitement - 2nd By what
has been termed recession 3rd By inde-
ning a counteraction in the intestine, &
thereby diminishing the tendency of the
rectal vessels to deposit that mucus
which constitutes the membranes
we have described - 4th Through the whole
arterial system by producing a more and
general action which transects, or

supereds.

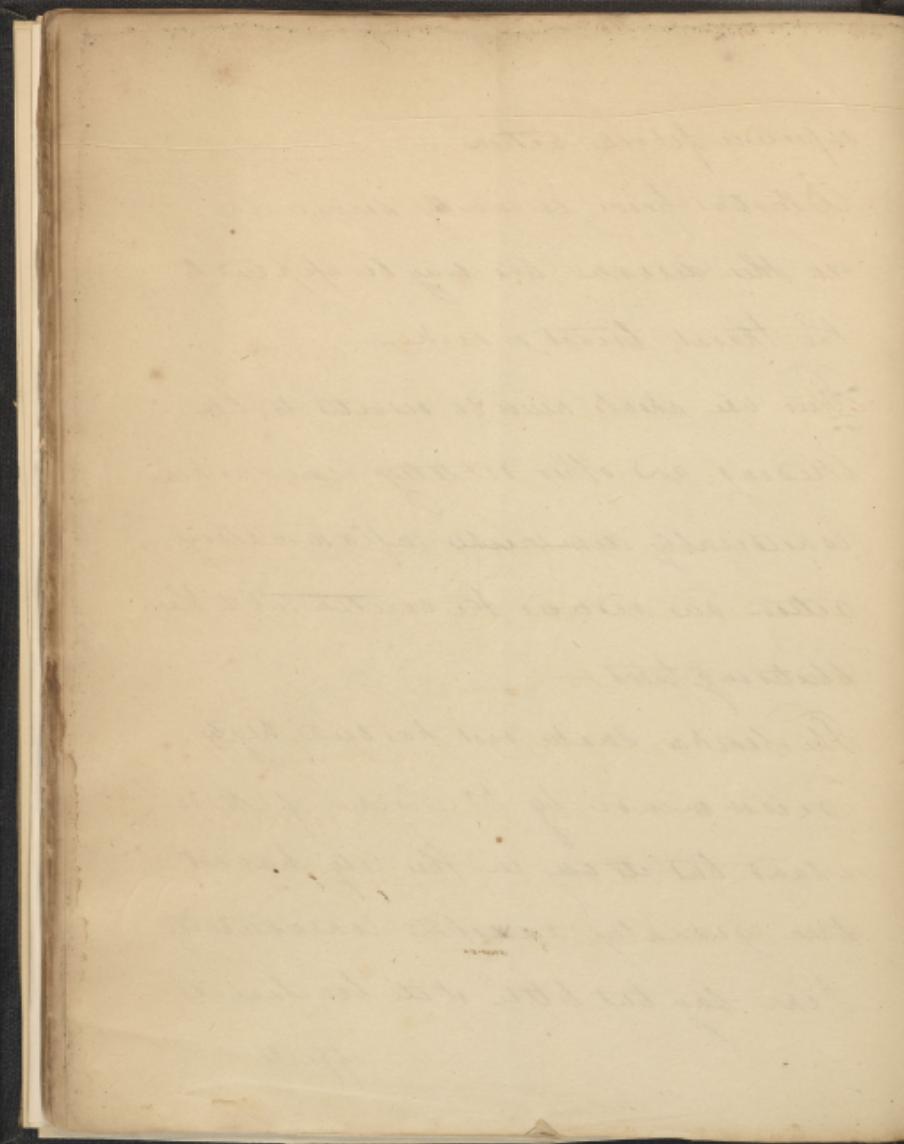


superficial fibrile action -

Blisters prove eminently serviceable in this disease and may be applied to the throat, breast, or neck -

This use should never be resorted to, till bleeding and other depleting remedies have consequently diminished inflammatory action and reduced the excitement to the blistering point -

The Seneca snake root has been highly recommended by Dr. Archer of Chazy-land, but its use in this city has not been generally adopted consequently I can say but little of its beneficial effects



effects from my own observation and ex-
-perience —

The warm bath has been known to give
great relief in this disease especially
when succeeded by perspiration —

When the symptoms of this disease
have begun to decline and mortification
- ~~extremity~~ has been, in ^a great measure, re-
-moved, especially by relieving the cough,
and with debrident arnake, by other-
-wise the serosity of the fluids discharge
from the yet diseased vessels, often pro-
-duces the best effects —

